

Obtrusive Light - Compliance Report

CIE 150:2017, E3-Medium District Brightness, Pre-Curfew

Filename: Wythenshawe Paddle & Pickle

2/11/2025 3:54:59 PM

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.	
ObtrusiveLight_1_Ill_Seg1	PASS		0

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value calculated from CIE 150:2017 (varies by Projected Area sq.m. and Distance Factor)

For E3-Medium District Brightness, Projected Area and Distance Factors:

(0.002, 0.86) (0.01, 1.9) (0.03, 3.8) (0.13, 7.5) (0.5, 15)

Calculations Tested (1):

Calculation Label	Test Results
ObtrusiveLight_1_Cd_Seg1	PASS

Upward Flux Ratio (UFR)

Maximum Allowable Value:

Reference Area(s):	6.0 5-a-side pitch Car Park Car Park_1 Padel 4 Padel 5 Padel 6 Tennis 2
Average Reflectance - Reference Area(s):	0.18
Average Reflectance - Surround:	0.18
Initial Average Illuminance - Reference Area(s):	324.66 Lux
Average Maintained Illuminance Required:	400.00 Lux
Total Area - Reference Area(s):	3243 Sq.m.
Total Luminaire Flux (All Locations) :	1486560
Downward Light Ratio (DLO):	1.000
Upward Light Ratio (ULO):	0.000
Utilization Factor (UF):	0.708

Calculated UFR: 1.15

Test Results: **PASS**