

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844159

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBNH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B40 EU6C20B40 6LBNH
Description:
Light Source: -
Ballast/Driver:

Summary

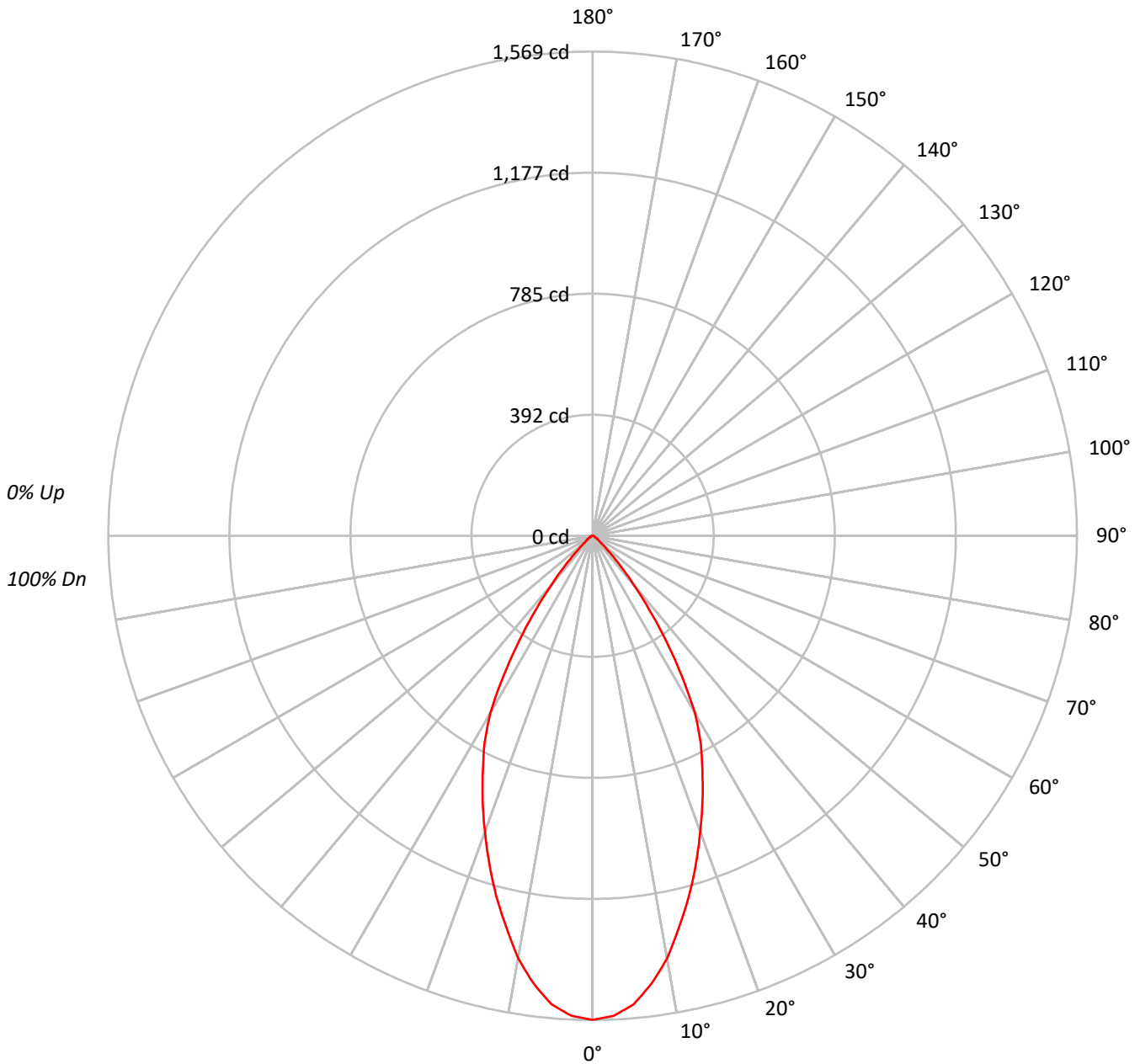
Lumens per Lamp: N/A
Luminaire Lumens: 1223.6 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P844159

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBNH

Luminous Intensity Polar Plot





TEST NUMBER: P844159

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBNH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85996
5°	83860
10°	77387
15°	68513
20°	59488
25°	50876
30°	41949
35°	27626
40°	14849
45°	6574
50°	2669
55°	1921
60°	1217
65°	882
70°	705
75°	466
80°	695
85°	0



TEST NUMBER: P844159

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBNH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	11.5
10°-20°	336.4	27.5
20°-30°	385.4	31.5
30°-40°	258.9	21.2
40°-50°	74.0	6.0
50°-60°	18.1	1.5
60°-70°	6.9	0.6
70°-80°	2.6	0.2
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	862.8	70.5
0°-40°	1121.7	91.7
0°-60°	1213.8	99.2
0°-90°	1223.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1569	
5°	1524	141
15°	1207	336
25°	841	385
35°	413	259
45°	85	74
55°	20	18
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P844159

CATALOG NUMBER: LD6C20DE010B40 EU6C20B40 6LBNH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1568.7
2.5°	1557.5
5°	1523.9
7.5°	1463.8
10°	1390.2
12.5°	1296.3
15°	1207.2
17.5°	1113.5
20°	1019.7
22.5°	930.5
25°	841.1
27.5°	758.6
30°	662.7
32.5°	535.5
35°	412.8
37.5°	301.2
40°	207.5
42.5°	136.1
45°	84.8
47.5°	51.3
50°	31.3
52.5°	24.5
55°	20.1
57.5°	15.7
60°	11.1
62.5°	8.9
65°	6.8
67.5°	4.4
70°	4.4
72.5°	2.2
75°	2.2
77.5°	2.2
80°	2.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)