

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: P844147

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBWLI**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P844147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B2750 EU6C20B35 6LBWLI
Description:
Light Source: -
Ballast/Driver:

Summary

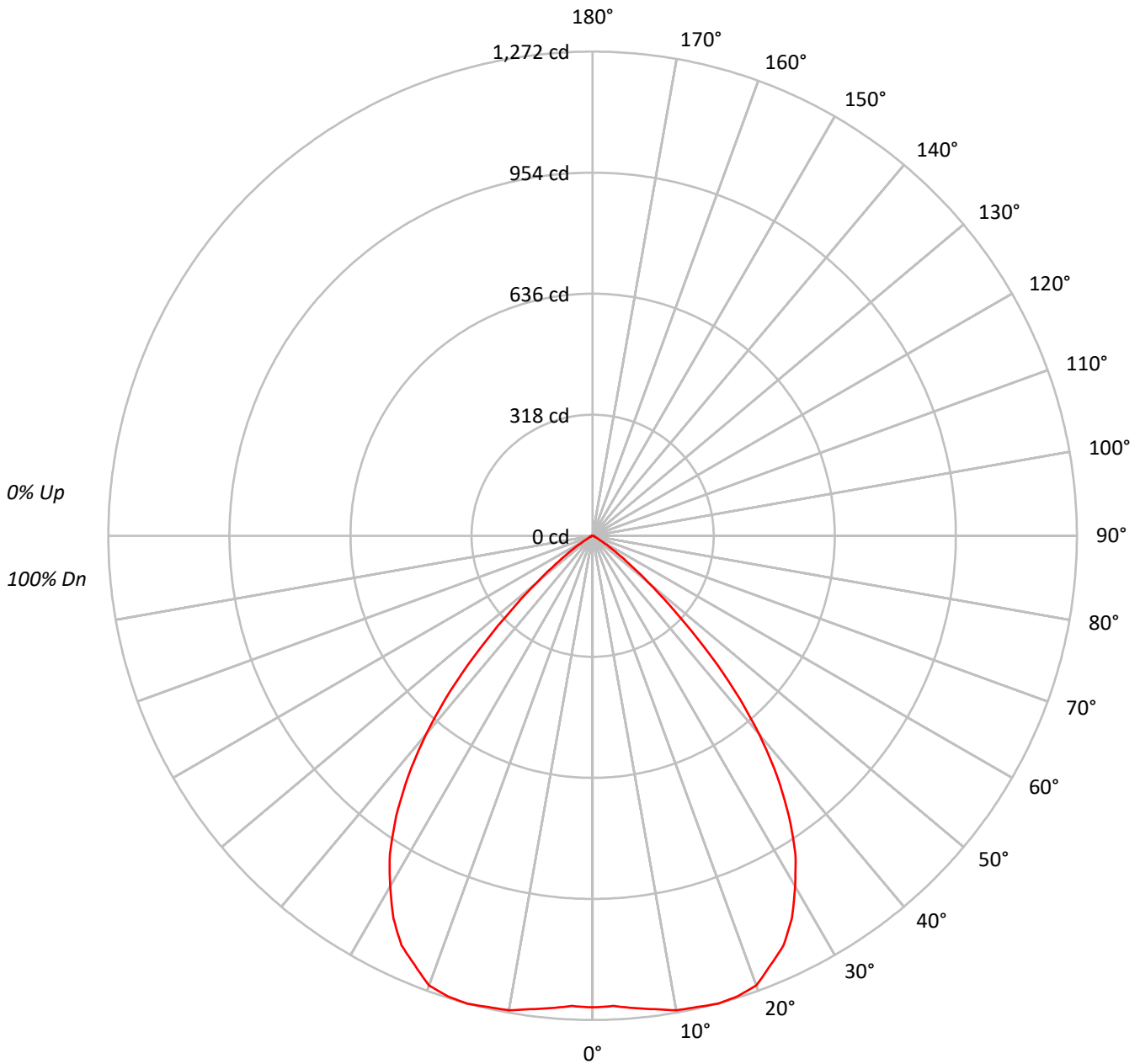
Lumens per Lamp: N/A
Luminaire Lumens: 1983.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844147

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBWLI

Luminous Intensity Polar Plot





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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	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69			
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63			
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57			
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67917
5°	68545
10°	70462
15°	72219
20°	73320
25°	71805
30°	67327
35°	60191
40°	48748
45°	32251
50°	16298
55°	6872
60°	2215
65°	869
70°	721
75°	466
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	6.0
10°-20°	359.2	18.1
20°-30°	541.5	27.3
30°-40°	554.3	28.0
40°-50°	322.9	16.3
50°-60°	74.2	3.7
60°-70°	9.1	0.5
70°-80°	2.3	0.1
80°-90°	0.0	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°	1020.2	51.4
0°-40°	1574.5	79.4
0°-60°	1971.5	99.4
0°-90°	1983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1239	
5°	1246	120
15°	1272	359
25°	1187	541
35°	899	554
45°	416	323
55°	72	74
65°	7	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1238.9
2.5°	1236.6
5°	1245.6
7.5°	1254.6
10°	1265.8
12.5°	1268.1
15°	1272.5
17.5°	1268.1
20°	1256.8
22.5°	1220.8
25°	1187.1
27.5°	1133.1
30°	1063.6
32.5°	991.5
35°	899.4
37.5°	795.9
40°	681.2
42.5°	553.1
45°	416.0
47.5°	290.0
50°	191.1
52.5°	121.4
55°	71.9
57.5°	38.3
60°	20.2
62.5°	11.2
65°	6.7
67.5°	6.7
70°	4.5
72.5°	2.2
75°	2.2
77.5°	2.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)