

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: P244256

Luminaire Tested: **LD8B20D010 ER8B20850 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B20D010 ER8B20850 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2208.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

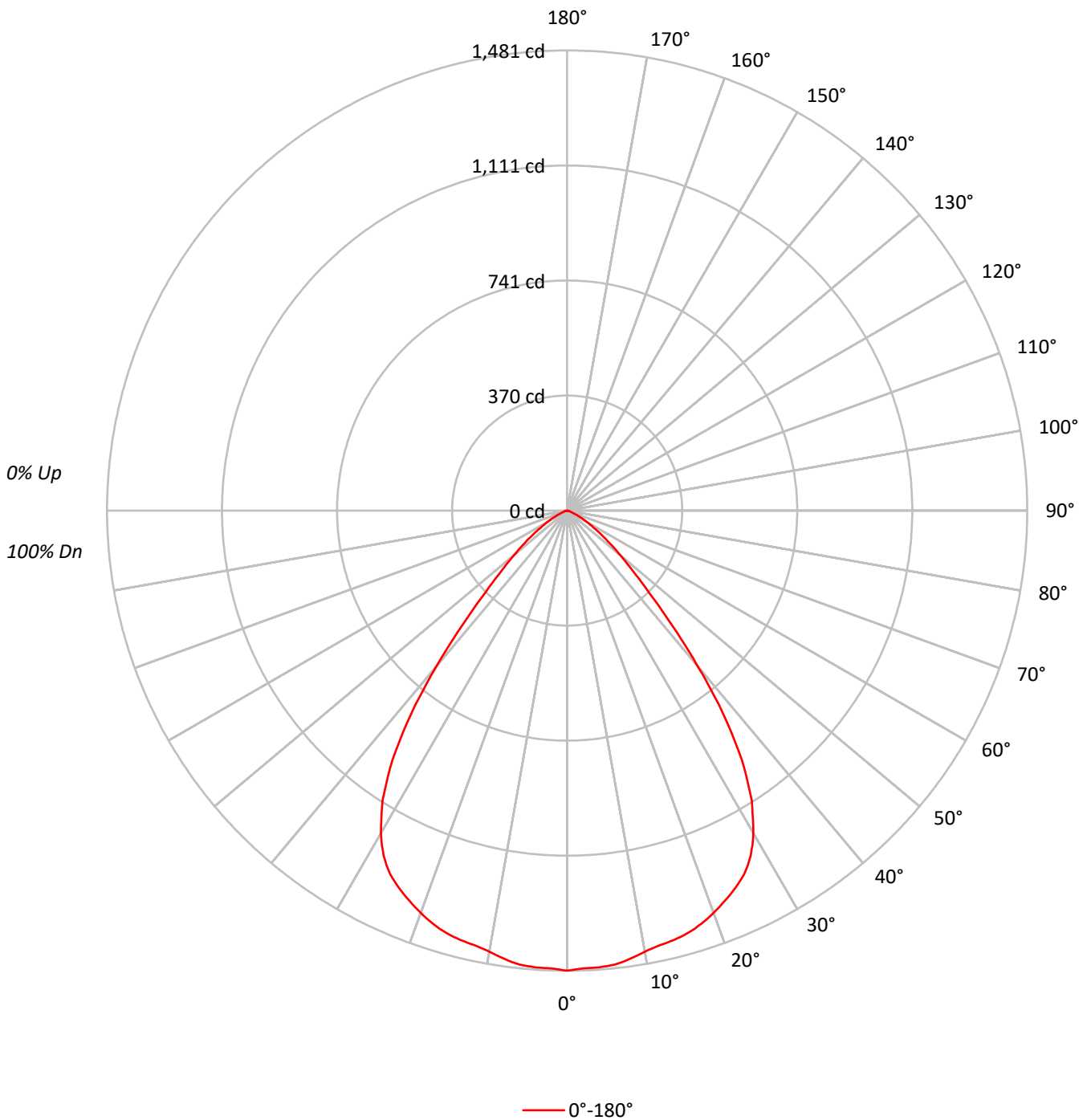
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	45656
5°	45552
10°	45139
15°	45310
20°	45213
25°	44772
30°	42675
35°	36948
40°	26358
45°	16196
50°	10684
55°	7070
60°	4527
65°	2466
70°	1208
75°	608
80°	337
85°	212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.5	6.3
10°-20°	400.3	18.1
20°-30°	602.4	27.3
30°-40°	596.4	27.0
40°-50°	303.1	13.7
50°-60°	122.1	5.5
60°-70°	37.0	1.7
70°-80°	6.4	0.3
80°-90°	0.8	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°	1142.3	51.7
0°-40°	1738.7	78.7
0°-60°	2163.9	98.0
0°-90°	2208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2208.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1481	
5°	1472	140
15°	1419	400
25°	1316	602
35°	982	596
45°	371	303
55°	132	122
65°	34	37
75°	5	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1480.6
1°	1477.4
2°	1474.8
3°	1474.2
4°	1473.5
5°	1471.6
6°	1469.1
7°	1464.0
8°	1456.3
9°	1449.3
10°	1441.6
11°	1435.2
12°	1430.8
13°	1427.6
14°	1423.8
15°	1419.3
16°	1413.5
17°	1406.5
18°	1398.2
19°	1388.7
20°	1377.8
21°	1366.3
22°	1354.8
23°	1342.7
24°	1329.9
25°	1315.9
26°	1300.6
27°	1280.8
28°	1257.8
29°	1230.4
30°	1198.5
32.5°	1105.3
35°	981.5
37.5°	827.1
40°	654.8
42.5°	494.6
45°	371.4
47.5°	284.0
50°	222.7
52.5°	172.9
55°	131.5
57.5°	97.6
60°	73.4
62.5°	52.3
65°	33.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.1
70°	13.4
72.5°	8.3
75°	5.1
77.5°	3.2
80°	1.9
82.5°	1.3
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)