

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: P244292

Luminaire Tested: **LSR8B20D010 EC8B20927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244292
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: LSR8B20D010 EC8B20927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1707.8 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

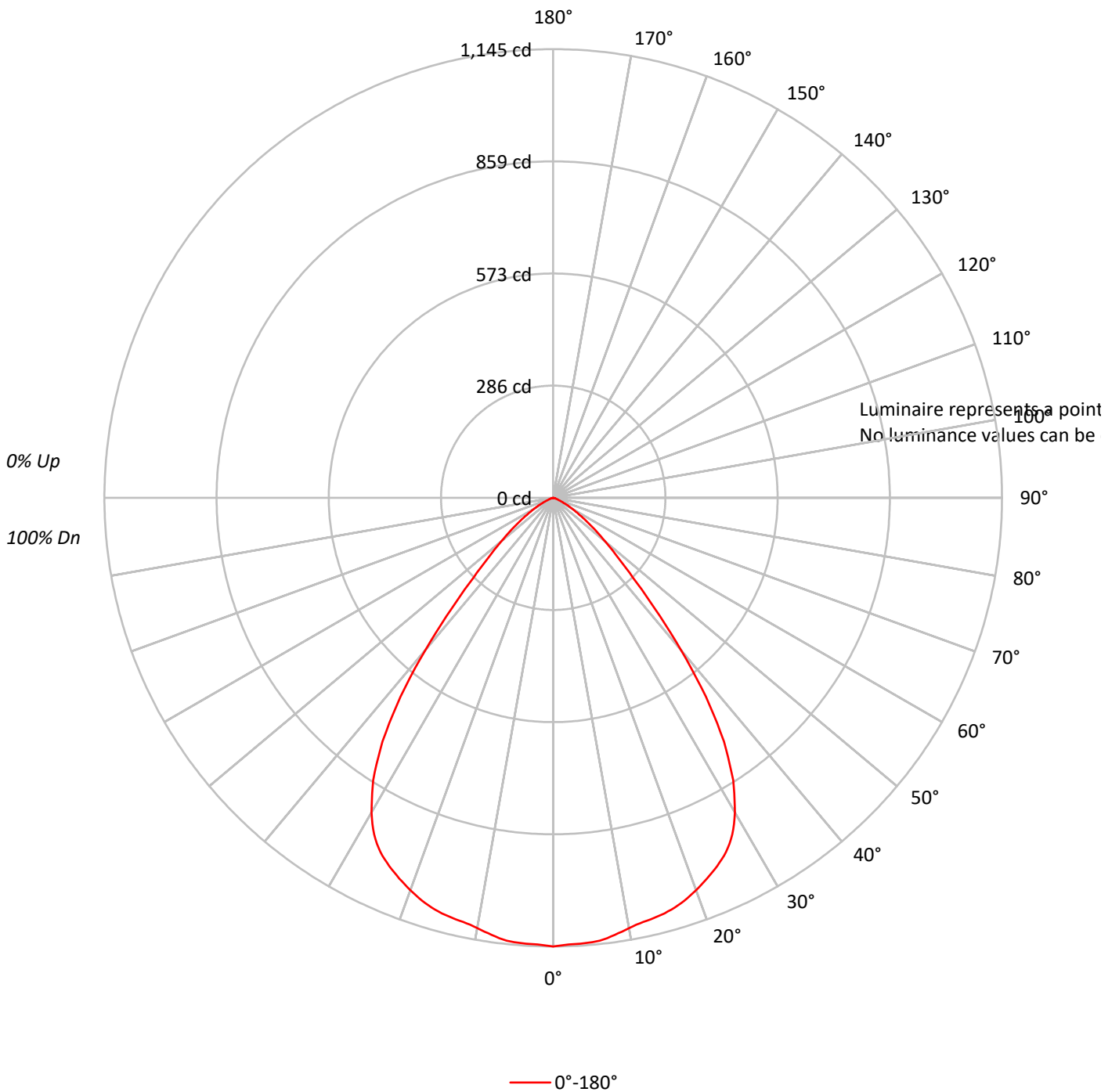
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	6.3
10°-20°	309.6	18.1
20°-30°	466.0	27.3
30°-40°	461.3	27.0
40°-50°	234.4	13.7
50°-60°	94.4	5.5
60°-70°	28.6	1.7
70°-80°	4.9	0.3
80°-90°	0.6	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°	883.5	51.7
0°-40°	1344.8	78.7
0°-60°	1673.6	98.0
0°-90°	1707.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1145	
5°	1138	108
15°	1098	310
25°	1018	466
35°	759	461
45°	287	234
55°	102	94
65°	26	29
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1145.1
1°	1142.7
2°	1140.6
3°	1140.2
4°	1139.7
5°	1138.2
6°	1136.2
7°	1132.3
8°	1126.4
9°	1121.0
10°	1115.0
11°	1110.0
12°	1106.7
13°	1104.2
14°	1101.1
15°	1097.8
16°	1093.3
17°	1087.9
18°	1081.5
19°	1074.0
20°	1065.6
21°	1056.7
22°	1047.8
23°	1038.5
24°	1028.6
25°	1017.8
26°	1006.0
27°	990.7
28°	972.9
29°	951.6
30°	927.0
32.5°	854.9
35°	759.2
37.5°	639.7
40°	506.4
42.5°	382.5
45°	287.2
47.5°	219.6
50°	172.2
52.5°	133.8
55°	101.7
57.5°	75.5
60°	56.8
62.5°	40.5
65°	26.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.3
70°	10.4
72.5°	6.4
75°	3.9
77.5°	2.5
80°	1.5
82.5°	1.0
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)