

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: P244298

Luminaire Tested: **LSR8B20D010 EC8B20930 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244298
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 EC8B20930 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1800.3 lumens
Efficiency: N/A
Efficacy: 84.5 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

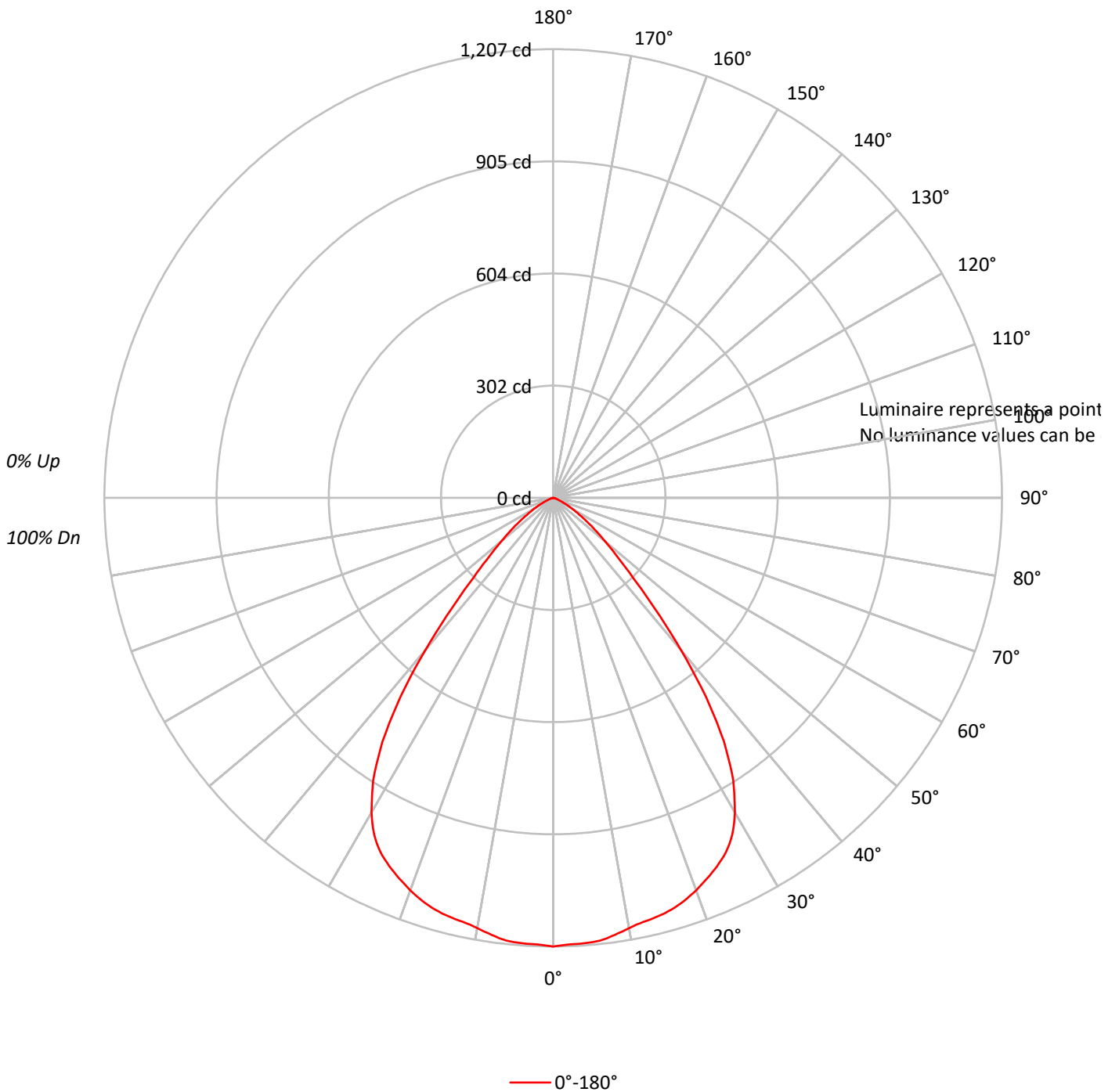
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113.7	6.3
10°-20°	326.4	18.1
20°-30°	491.2	27.3
30°-40°	486.3	27.0
40°-50°	247.1	13.7
50°-60°	99.6	5.5
60°-70°	30.2	1.7
70°-80°	5.2	0.3
80°-90°	0.7	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°	931.3	51.7
0°-40°	1417.7	78.7
0°-60°	1764.3	98.0
0°-90°	1800.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1207	
5°	1200	114
15°	1157	326
25°	1073	491
35°	800	486
45°	303	247
55°	107	100
65°	28	30
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1207.2
1°	1204.6
2°	1202.5
3°	1201.9
4°	1201.5
5°	1199.9
6°	1197.8
7°	1193.6
8°	1187.4
9°	1181.6
10°	1175.5
11°	1170.2
12°	1166.6
13°	1164.0
14°	1160.9
15°	1157.2
16°	1152.5
17°	1146.8
18°	1140.1
19°	1132.2
20°	1123.5
21°	1114.0
22°	1104.6
23°	1094.8
24°	1084.3
25°	1072.9
26°	1060.5
27°	1044.3
28°	1025.6
29°	1003.2
30°	977.2
32.5°	901.3
35°	800.3
37.5°	674.4
40°	533.8
42.5°	403.2
45°	302.9
47.5°	231.6
50°	181.6
52.5°	141.0
55°	107.2
57.5°	79.6
60°	59.9
62.5°	42.7
65°	27.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.2
70°	10.9
72.5°	6.7
75°	4.1
77.5°	2.6
80°	1.6
82.5°	1.0
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)