

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: P249947

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B1009730 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG 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: 7789.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

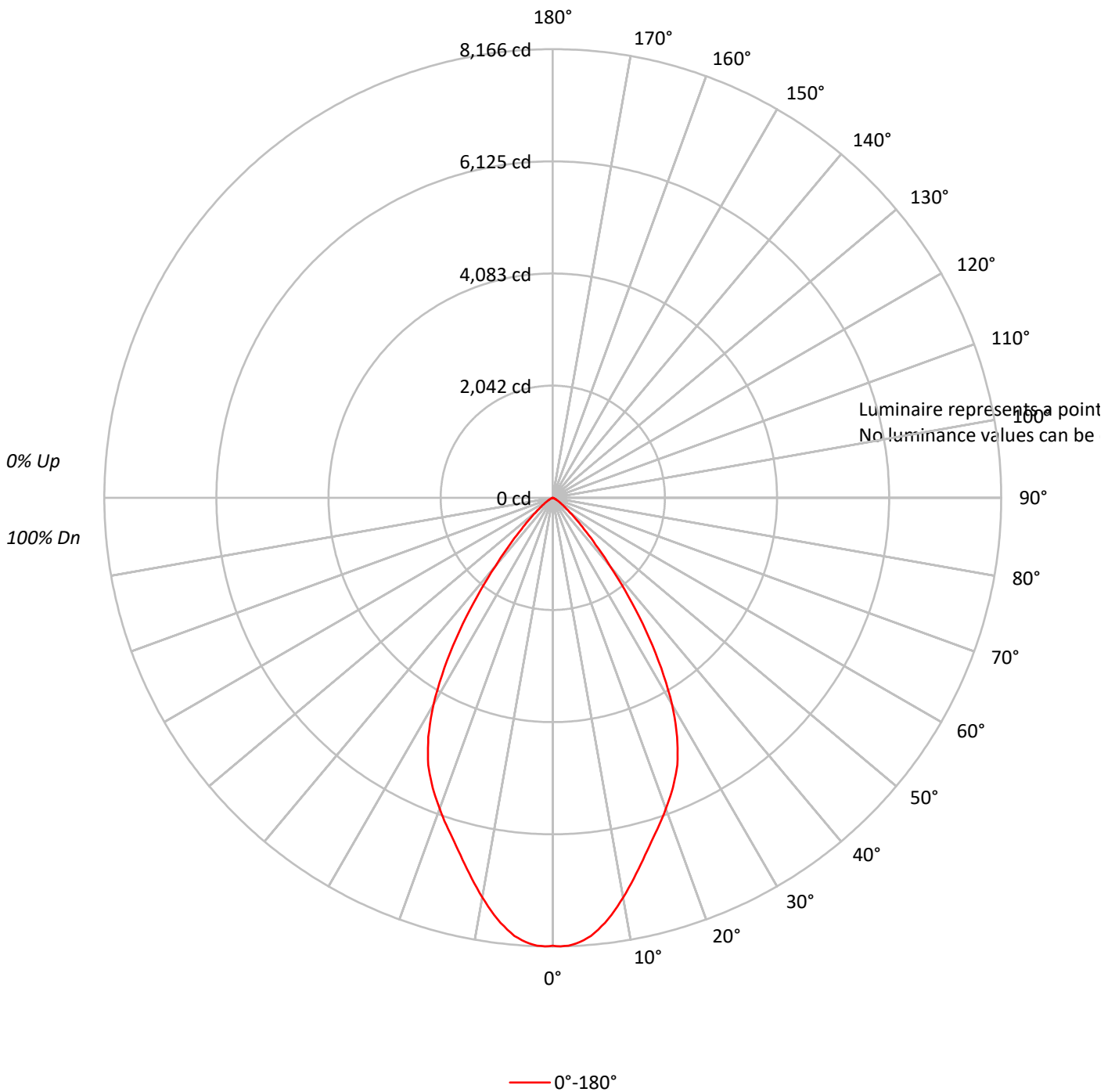
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.3	9.5
10°-20°	1870.2	24.0
20°-30°	2427.9	31.2
30°-40°	1832.6	23.5
40°-50°	670.5	8.6
50°-60°	187.4	2.4
60°-70°	49.3	0.6
70°-80°	8.3	0.1
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°	5041.5	64.7
0°-40°	6874.1	88.2
0°-60°	7732.1	99.3
0°-90°	7789.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7789.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8154	
5°	8003	743
15°	6647	1870
25°	5367	2428
35°	2959	1833
45°	804	671
55°	192	187
65°	46	49
75°	7	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8153.6
1°	8165.8
2°	8156.1
3°	8124.5
4°	8071.0
5°	8003.0
6°	7903.4
7°	7794.1
8°	7667.7
9°	7529.2
10°	7383.5
11°	7237.7
12°	7087.1
13°	6934.0
14°	6788.2
15°	6647.3
16°	6513.7
17°	6384.9
18°	6268.3
19°	6146.8
20°	6022.9
22.5°	5714.3
25°	5366.9
27.5°	4907.7
30°	4348.9
32.5°	3675.9
35°	2959.2
37.5°	2259.5
40°	1630.2
42.5°	1154.0
45°	804.2
47.5°	566.1
50°	381.4
52.5°	279.4
55°	191.9
57.5°	138.5
60°	92.3
62.5°	68.0
65°	46.2
67.5°	31.6
70°	17.0
72.5°	12.1
75°	7.3
77.5°	2.4
80°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)