

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: P244300

Luminaire Tested: **LSR8B40D010 EC8B409730 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244300
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: LSR8B40D010 EC8B409730 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: 3249.0 lumens
Efficiency: N/A
Efficacy: 79.4 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

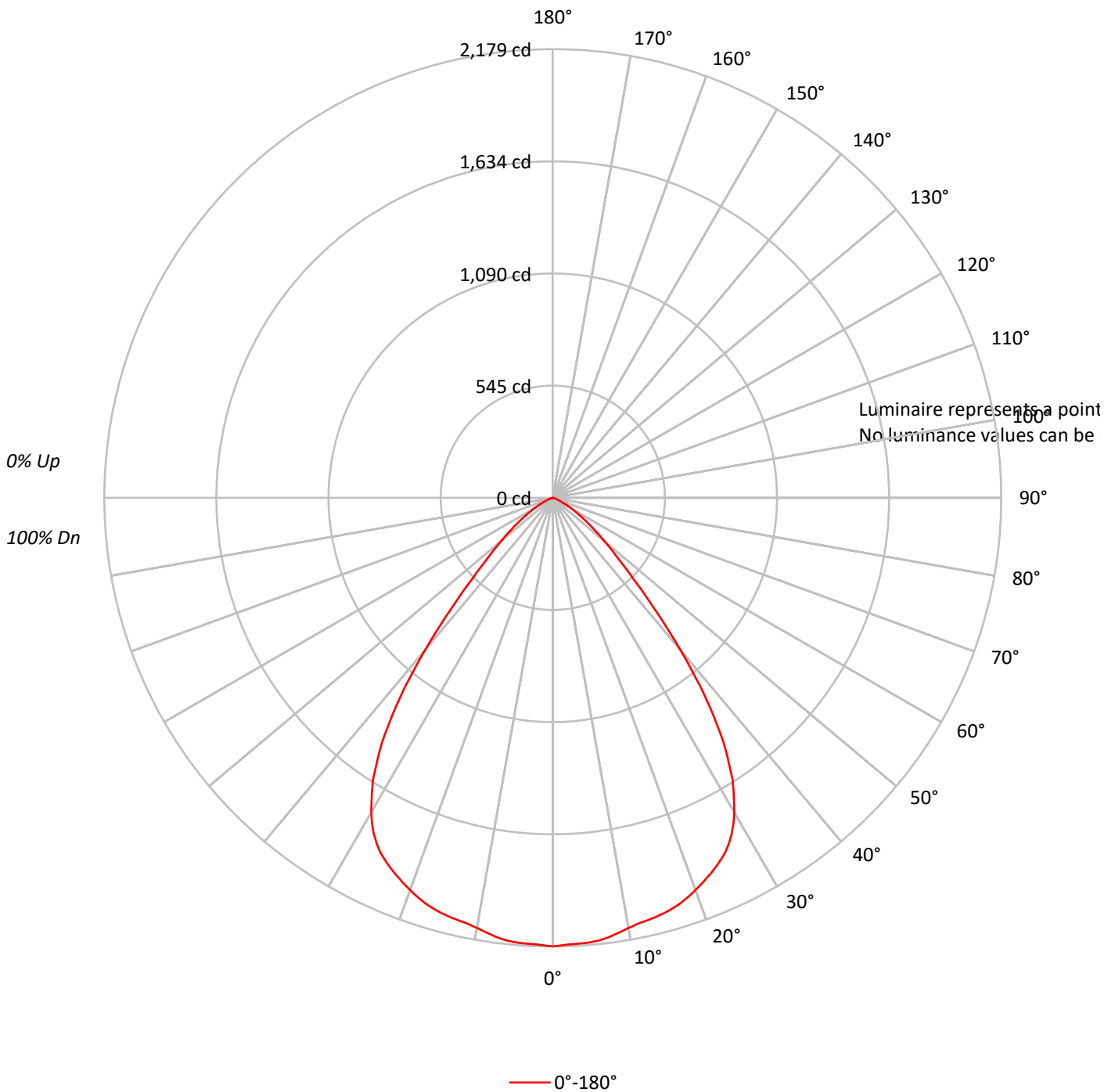
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	205.3	6.3
10°-20°	589.0	18.1
20°-30°	886.5	27.3
30°-40°	877.6	27.0
40°-50°	446.0	13.7
50°-60°	179.7	5.5
60°-70°	54.4	1.7
70°-80°	9.4	0.3
80°-90°	1.1	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°	1680.8	51.7
0°-40°	2558.5	78.7
0°-60°	3184.1	98.0
0°-90°	3249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3249.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2179	
5°	2165	205
15°	2088	589
25°	1936	886
35°	1444	878
45°	546	446
55°	193	180
65°	50	54
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2178.6
1°	2173.9
2°	2170.1
3°	2169.2
4°	2168.3
5°	2165.4
6°	2161.7
7°	2154.2
8°	2142.9
9°	2132.6
10°	2121.3
11°	2111.9
12°	2105.3
13°	2100.6
14°	2095.0
15°	2088.4
16°	2080.0
17°	2069.7
18°	2057.4
19°	2043.4
20°	2027.4
21°	2010.5
22°	1993.6
23°	1975.8
24°	1957.0
25°	1936.3
26°	1913.8
27°	1884.7
28°	1850.9
29°	1810.5
30°	1763.5
32.5°	1626.4
35°	1444.3
37.5°	1217.0
40°	963.5
42.5°	727.8
45°	546.5
47.5°	417.9
50°	327.7
52.5°	254.5
55°	193.4
57.5°	143.7
60°	108.0
62.5°	77.0
65°	49.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	31.0
70°	19.7
72.5°	12.2
75°	7.5
77.5°	4.7
80°	2.8
82.5°	1.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)